



Balanced Mathematics

Technology, Assessment & Planning

Capturing Student Voice

- Math Journal
- Independent Problem-Solving
- Shared Problem-Solving



Saving Student Work



Create your Google Account

One account is all you need

A single username and password gets you into everything Google.



Make Google yours

Set up your profile and preferences just the way you like.



Take it all with you

Name

First

Last

Choose your username

@gmail.com

Create a password

Confirm your password

Birthday

Month

Day

Year

Gender

I am...

Mobile phone

+1

Your current email address

Dropbox



Sign in

[\(or create an account\)](#)

☒ Remember me

Sign in

[Forgot your password?](#)

Take Dropbox with you, even on the go

Grab Dropbox apps for iPhone, iPad, Android, and BlackBerry

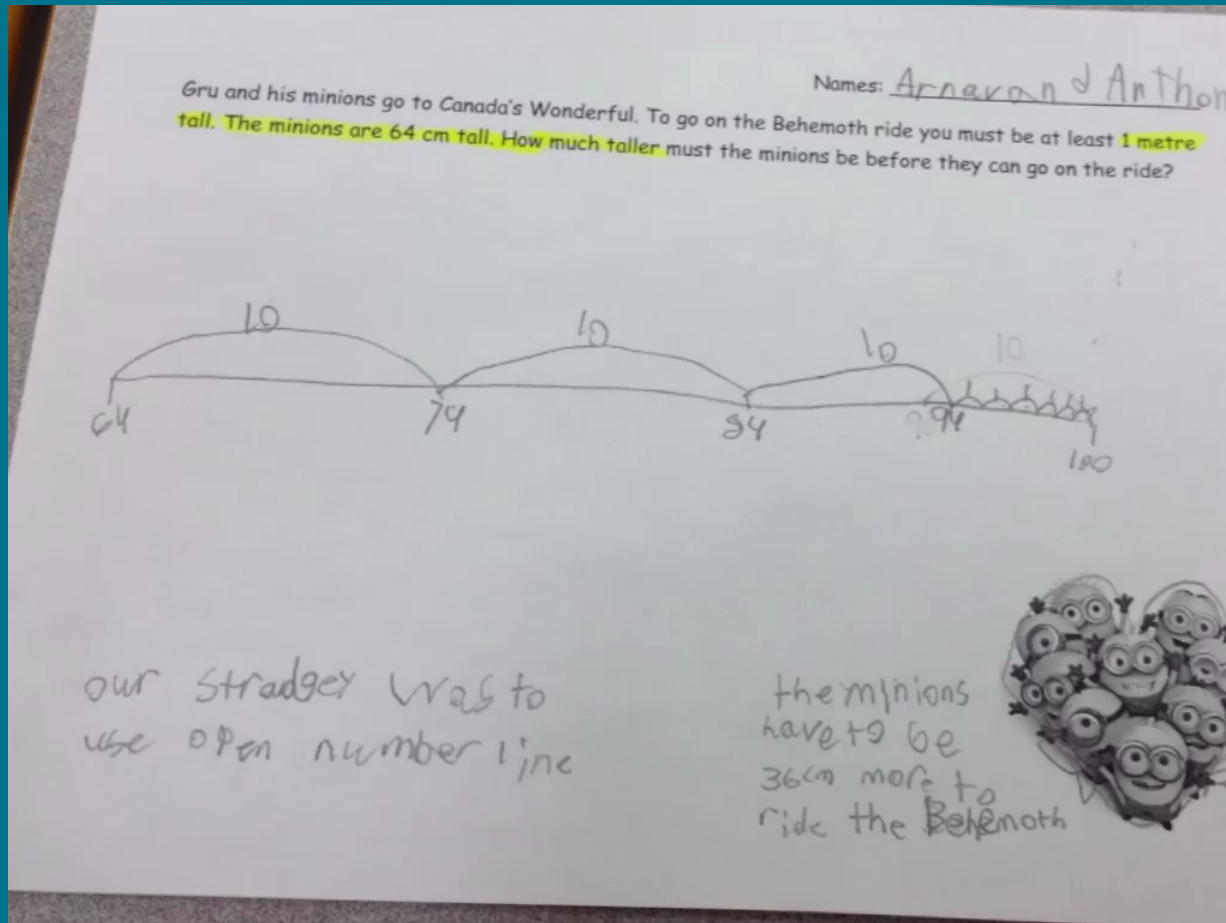
Let's go!

Explain Everything



- Grade 3
- Grade 8

Explain Everything – Gr. 3



Explain Everything – Gr. 8

INDEPENDENT PROBLEM SOLVING and DIGITAL LEARNING TOOLS

Solve the following diagram. When you're finished, use the app Explain Everything on the iPad Mini to orally explain and record how you solved it. Make sure that you're explaining clearly, using appropriate vocabulary. Upload your completed explanation to your Dropbox folder using username: fieldcrest8@gmail.com and password: fieldcrest.

$\angle a = 55^\circ \textcircled{C}$
 $\angle b = 55^\circ \textcircled{C}$
 $\angle c = 125^\circ \textcircled{C}$
 $\angle d = 125^\circ \textcircled{C}$
 $\angle e = 55^\circ \textcircled{C}$
 $\angle f = 35^\circ \textcircled{A}$

$$\begin{array}{r} 90^\circ \\ + 55^\circ \\ \hline 145^\circ \end{array}$$

$$\begin{array}{r} 180^\circ \\ - 145^\circ \\ \hline 35^\circ \end{array}$$

$$\begin{array}{r} 180^\circ \\ - 125^\circ \\ \hline 55^\circ \end{array}$$

$$\begin{array}{r} 180^\circ \\ - 145^\circ \\ \hline 35^\circ \end{array}$$

$$\begin{array}{r} 35^\circ \\ + 55^\circ \\ \hline 90^\circ \end{array}$$

Explain Everything



Set-up & Try it!

Digital Learning Tools

- GIZMOS



- www.explorelearning.com

Digital Learning Tools

Hooda Math

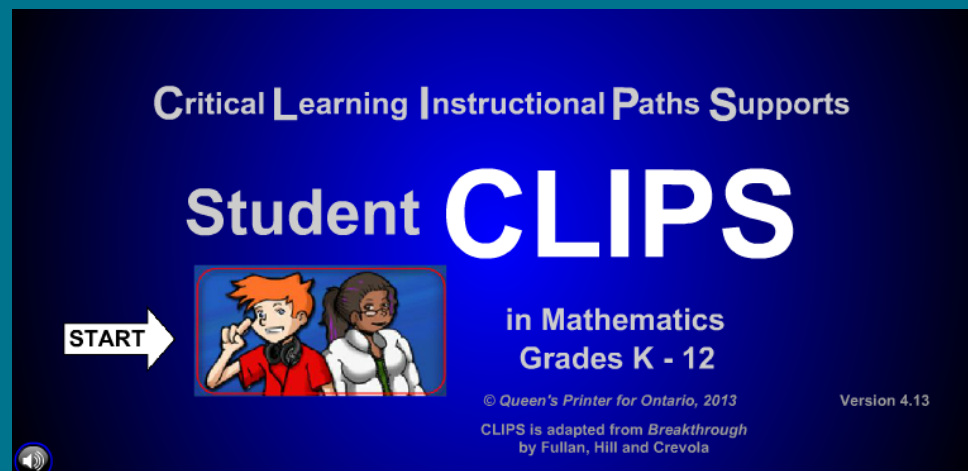


Math Frog

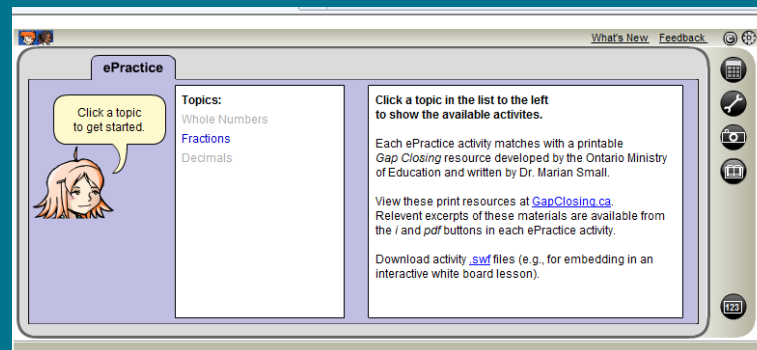


Digital Learning Tools

CLIPS



ePractice



Digital Learning Tools

Mathies

mathies
Interactive electronic supports

This site is designed for Ontario K-12 students and parents.

Home Games Learning Tools Activities Additional Supports Parents Home

Games

Learning Tools

Activities

Additional Supports

Rekenrek

Gizmos

THE GEOMETRY SKETCHPAD

Student CLIPS

Ontario Educational Resource Bank

e-Learning ONTARIO

GAP CLOSING ePractice

Homework Help

Digital Learning Tools

National Library of Virtual Manipulatives

The screenshot shows the homepage of the National Library of Virtual Manipulatives. At the top, there is a header with the site's name, a French language link, and the Utah State University logo. Below the header is a navigation bar with links for 'Virtual Library', 'About', 'eNLVM', and 'Buy Now!'. A search bar is also present. A prominent green button encourages downloading a free trial version. The main content area features a grid with a table of categories and a background image of students.

Index	Pre-K – 2	3 – 5	6 – 8	9 – 12
Number & Operations				
Algebra				
Geometry				
Measurement				
Data Analysis & Probability				

Assessment



“One of the most powerful research based strategies for linking assessment to improved instructional practice is teacher moderation. This process involves educators in a collaborative discussion of student work based on predetermined assessment criteria.”

Effective Feedback



Viewing Guide: This viewing guide facilitates learning about the assessment PDF 482 K

FEEDBACK IS INFORMATION

STUDENT & TEACHER SHARE DURING LEARNING

00:05 05:32

progress and determine next steps.

Feedback activity...

Evaluative

or

Descriptive?

Paired Moderation

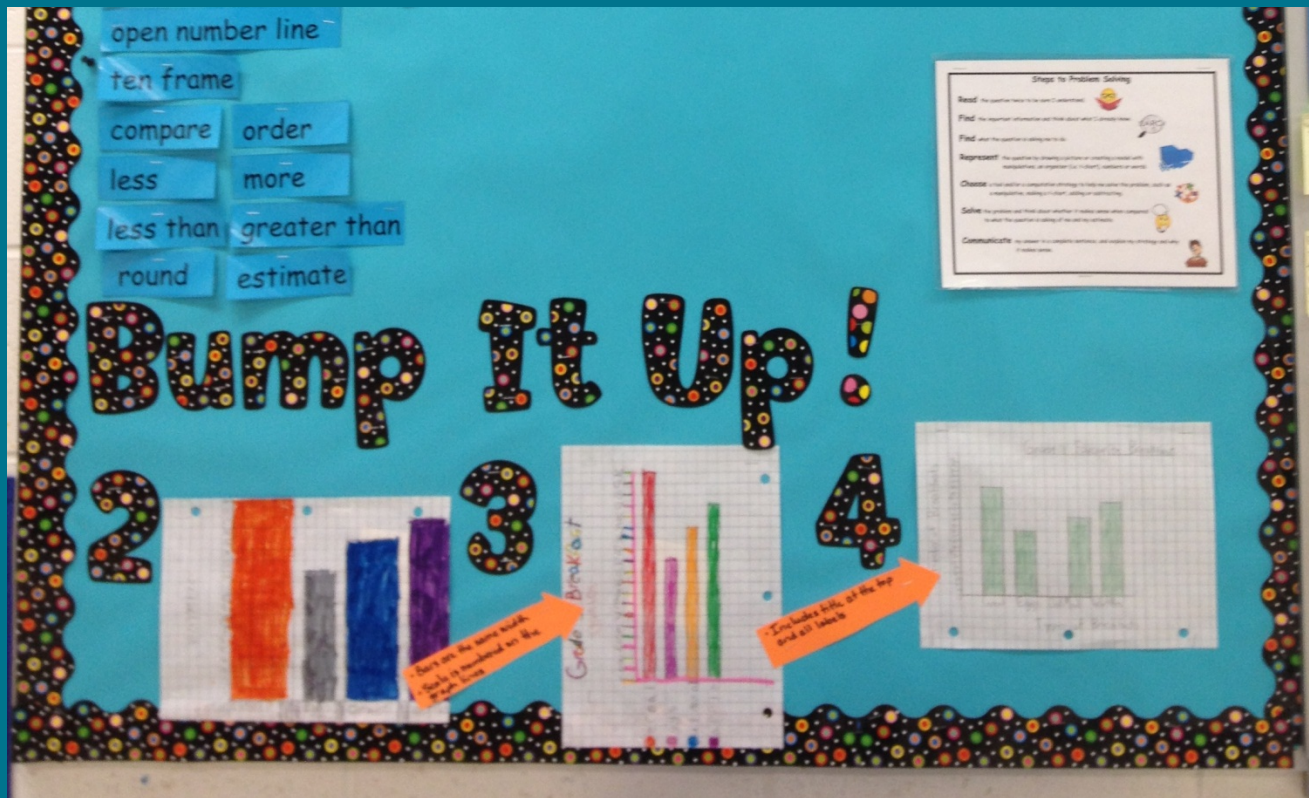
You will need...

- The student work samples you were asked to bring, either Math Journals or Independent Problem-Solving
- Success Criteria and Assessment documents for each rotation
- With a partner, share and moderate your student work samples providing descriptive feedback for each.

Further sharing...

- Group with another pair and exchange one set of student work samples.
- Repeat the assessment and descriptive feedback activity.
- Compare two sets of assessment for the work samples.

Bump It Up

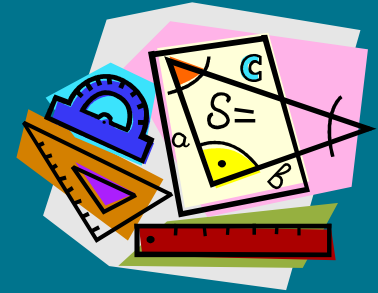


Bump It Up – Create your own!

You will need your...

- student work samples
- task success criteria
- leveled arrows with descriptive feedback
- bristol board
- masking tape
- markers

Demo Classrooms



- Grade 3 with Kelly Ferguson, Room 202
- Grade 4/5 with Jessica Kelly, Room 210
- Grade 7 with Rachelle Reid, Room 245
- Grade 8 with Steph Skelton, Room 240

Lunch 1:10 – 2:00 p.m.



Collaborative planning

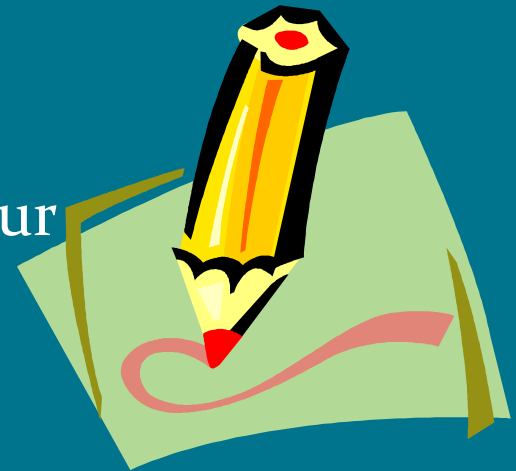


“When grade partners, divisional teams and school communities work together to identify key concepts and curriculum expectations, they build upon one another’s ideas and experiences and create consistency across grades as well as scaffold learning opportunities. Collective planning helps teams avoid repetition and ensures students are given a variety of ways to demonstrate their thinking. Communication with other divisional teams, schools and family of schools in hubs and networks allows for colleagues to share their learning on a broader scale.”

-LNS Capacity Building Series, Special Edition #14

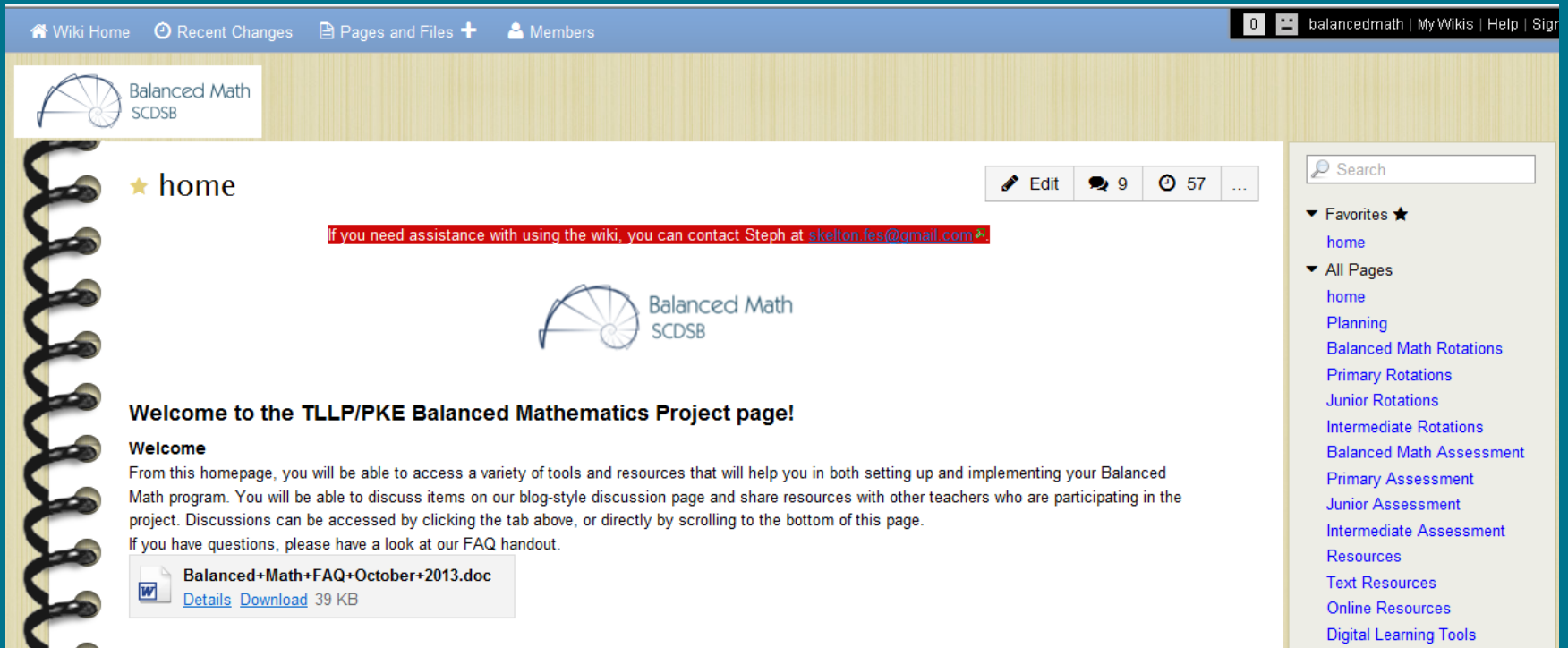
Activity...

- In partners, use your divisional planning resources and the planning templates e-mailed to you to create a Balanced Math rotation for Unit 6, 7, or 8.
- Please create any necessary BLMs or use specific page titles, page #s or URLs to reference planning texts or digital tools.
- You will have the opportunity to upload your completed rotation to our Balanced Math wiki this afternoon.



Balanced Math wiki

- <http://tllpbalancedmath.wikispaces.com/>



The screenshot shows the homepage of the Balanced Math wiki. The top navigation bar includes links for Wiki Home, Recent Changes, Pages and Files, and Members. The main content area features a spiral notebook graphic on the left and a central text area. A red banner at the top of the main content area provides contact information for assistance. Below the banner is the Balanced Math SCDSB logo and a welcome message. A file download link for a document titled 'Balanced+Math+FAQ+October+2013.doc' is visible. The right sidebar contains a search bar and a list of favorites and all pages.

Wiki Home Recent Changes Pages and Files + Members

0 balancedmath | My Wikis | Help | Sign

Balanced Math SCDSB

★ home


If you need assistance with using the wiki, you can contact Steph at skelton.fes@gmail.com.

Balanced Math SCDSB

Welcome to the TLLP/PKE Balanced Mathematics Project page!

Welcome

From this homepage, you will be able to access a variety of tools and resources that will help you in both setting up and implementing your Balanced Math program. You will be able to discuss items on our blog-style discussion page and share resources with other teachers who are participating in the project. Discussions can be accessed by clicking the tab above, or directly by scrolling to the bottom of this page. If you have questions, please have a look at our FAQ handout.

 **Balanced+Math+FAQ+October+2013.doc**
[Details](#) [Download](#) 39 KB

Search

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- [Intermediate Rotations](#)
- [Balanced Math Assessment](#)
- [Primary Assessment](#)
- [Junior Assessment](#)
- [Intermediate Assessment](#)
- [Resources](#)
- [Text Resources](#)
- [Online Resources](#)
- [Digital Learning Tools](#)

The background is a solid teal color. At the top, there are several thin, wavy lines in shades of blue and teal, creating a decorative header effect.

Reflection on Learning...

Thank you for your feedback